

FIG. 1

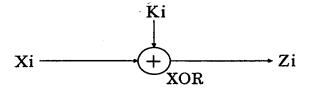


FIG. 2

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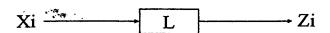


FIG. 3

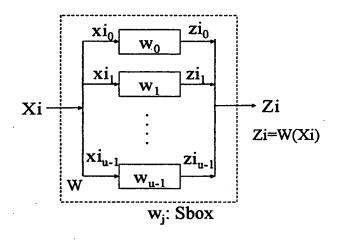


FIG. 4

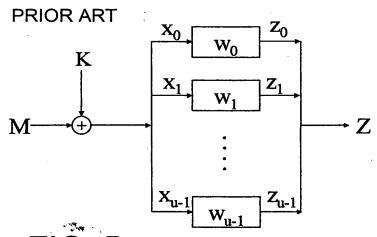


FIG. 5

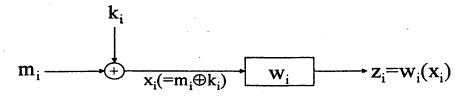
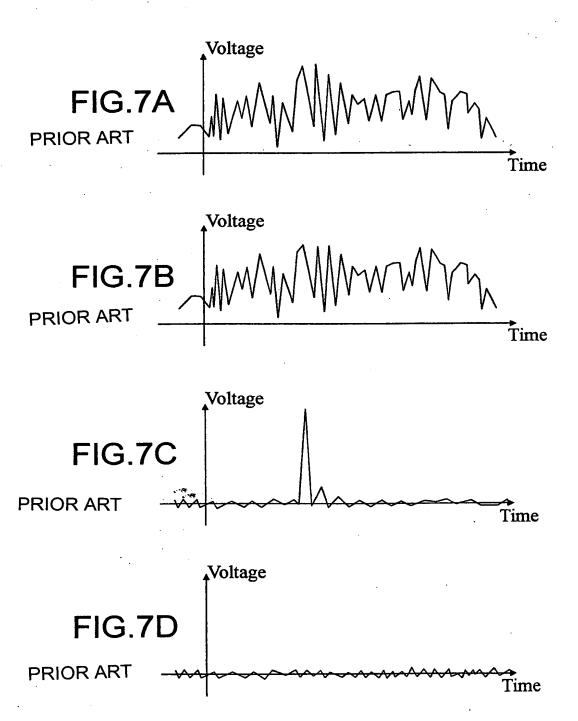
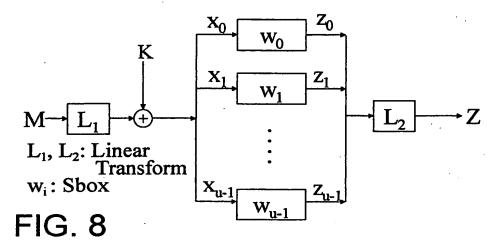
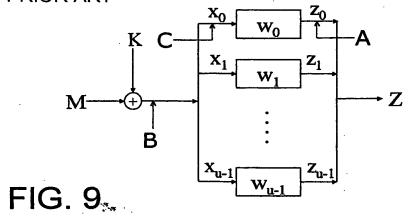


FIG. 6







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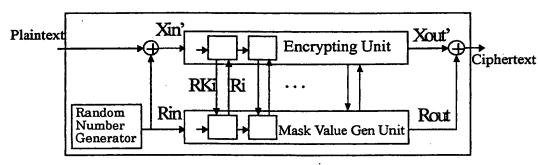
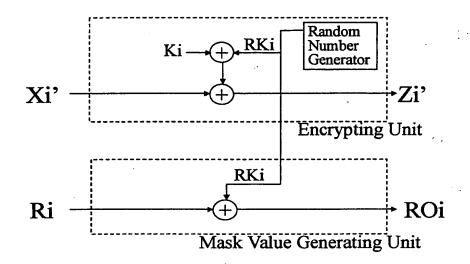


FIG. 10



Key XOR in Random Mask Value Method

FIG. 11

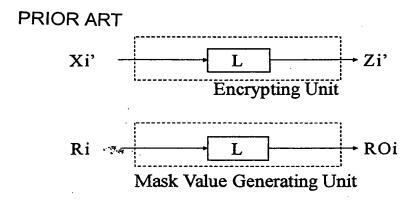


FIG. 12

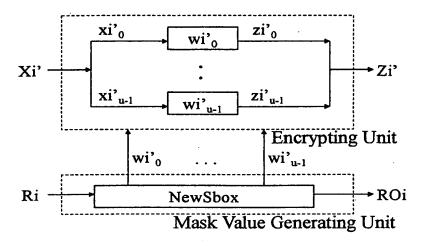


FIG. 13A

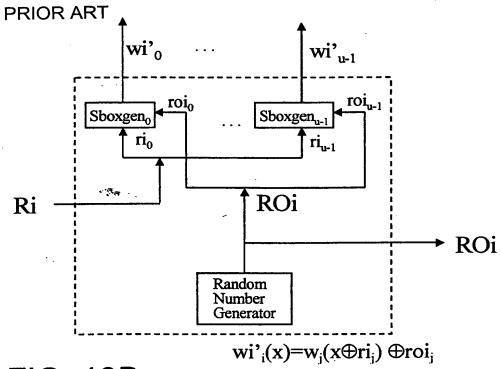
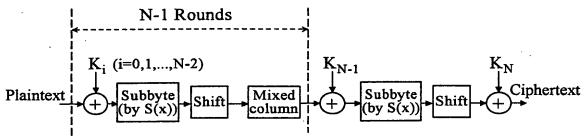


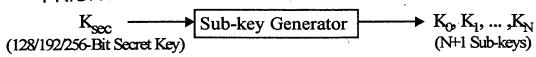
FIG. 13B



Conventional Rijndael Encryption

FIG. 14

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Generation of Sub-keys in Rijndael Encryption

FIG. 15

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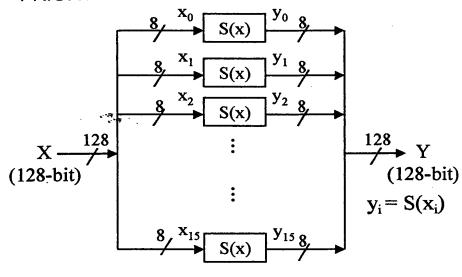


FIG. 16

Subbyte

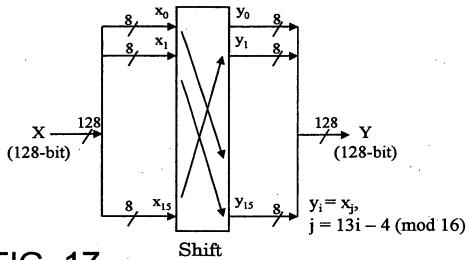


FIG. 17

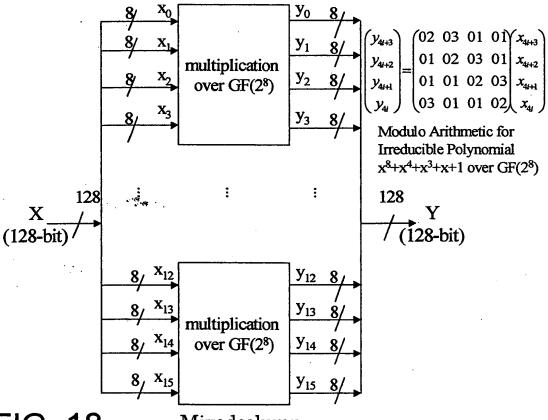


FIG. 18

Mixedcolumn

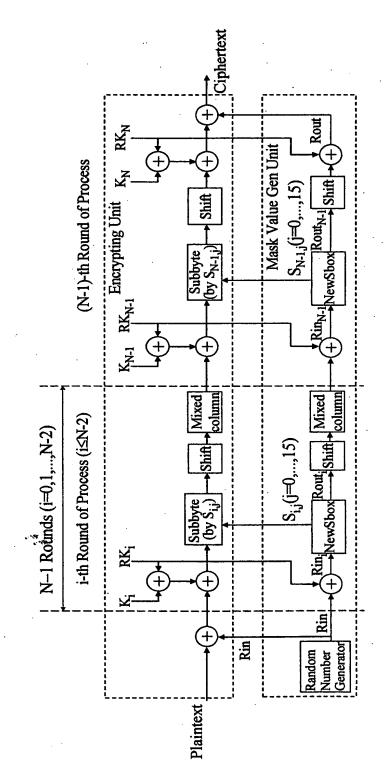
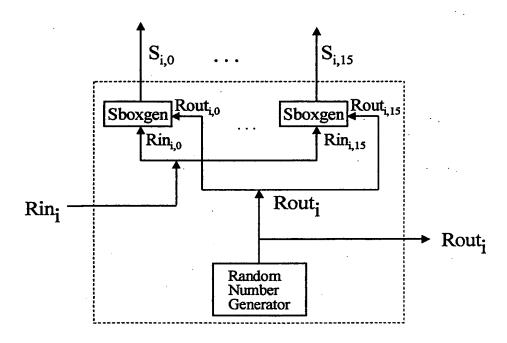


FIG. 19

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Sboxgen Generates Sbox, $S_{i,j}$, such that $S_{i,j}(x) = S(x \oplus Rin_{i,j}) \oplus Rout_{i,j}$ NewSbox

FIG. 20